

**Claim 3 (Amended).** Porous membranes of (per)fluorinated amorphous polymers according to claim 1, the (per)fluorinated polymers selected from the group consisting of A), B) and C):

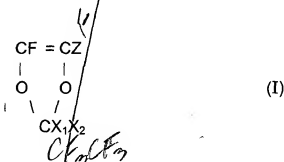
A) polymers made of monomers selected from the following:



wherein:  $\text{Y}_1$  and  $\text{Y}_2$  are selected from F, Cl,  $\text{CF}_3$ ,  $\text{OR}_f$

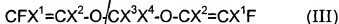
wherein  $\text{R}_f$  is a  $\text{C}_1 - \text{C}_5$  perfluoroalkyl radical;

dioxoles having structure (I):



wherein: Z is selected from F,  $\text{R}_f$ ,  $\text{OR}_f$ ;  $\text{R}_f$  is a perfluoroalkyl radical  $\text{C}_1 - \text{C}_5$ ;  $\text{X}_1$  and  $\text{X}_2$  are selected from F and  $\text{CF}_3$ ,

bisvinylloxymethanes having structure (III):



wherein  $\text{X}^1$  and  $\text{X}^2$ , equal to or different from each other, are F, Cl;  $\text{X}^3$  and  $\text{X}^4$ , equal to or different from each other, are F or  $\text{CF}_3$ ;

dienes having structure (IV):

